

Theme 03: Climate change and sustainable resource
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Taxus wallichiana (Himalayan yew) is more tolerant to climate stresses at altitudinal gradient in the moist temperate forest of Himalayan, Pakistan

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Taxus wallichiana (TW) is endangered species of moist temperate forest of Himalayas. The antioxidant system of this species is very important which enable the plant to survive under extreme climatic conditions. Climate change poses significant effect on the antioxidant defense system of the TW. Therefore, it was important to assess the effect of climate change on TW antioxidant system. The results of this study revealed the contention that DPPH and SOD, POD were greater of the TW. These antioxidants are important for survival of TW under climate change.

Keywords: *Taxus wallichiana*; ROS; antioxidant potential; moist temperate forest; DPPH